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U. S. DEPARTMENT OF AGRICULTURE

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NEW BOOKS

AMERICAN RESOURCES, THEIR MANAGEMENT AND CONSERVATION, By J. R. Whitaker and E. A. Ackerman. 497 p. Harcourt, Brace, 1951. 279.12 W58

A thorough treatment of resource conservation in the United States which advocates public education in responsible ownership plus a large measure of government direction and control. Information found in this book is vital to the issues of war and peace; economics and history; and good citizenship.

BIRDS OF THE WEST, By E. S. Booth. 402 p. Stanford Univ. Press, c1950.

413 B64B 1950

A guide to bird identification in the western states from the Great Plains to the Pacific and from Canada to northern Mexico. A general key to the orders and families is followed by black-and-white pictures of individual birds, and eight color plates. Male birds only, usually in summer plumage, are illustrated. A.O.U. numbers are given, and there are indexes of common and scientific names.

CATION EXCHANGE IN SOILS, By W. P. Kelley. 144 p. Reinhold, 1948. 56.4 K28

The understanding of cation exchange, a process which enables soils to take up potassium and ammonium, hold them against leaching, and yet make them available for plant food, has undergone considerable change since it was first discovered and named "base exchange". This monograph discusses and summarizes present-day knowledge regarding the theories and basic principles of this process, based on the author's research and a thorough study of the literature of the subject.

CONCRETE MANUAL. A MANUAL FOR THE CONTROL OF CONCRETE CONSTRUCTION. U.S. Bureau of Reclamation. 5th ed., rev. 489 p. 1951. 156.85 C74 Ed.5

This revised edition reflects the numerous technical developments in concrete construction and its control during the past ten years. Air entrainment in concrete; pozzolans as beneficial replacements for part of the portland cement; new tests that reveal the degree to which aggregates will react with alkalis in the cement; and improved procedures for repair of concrete are some of the new developments discussed.

THE CONSERVATION YEARBOOK 1952. A DIRECTORY AND GUIDE TO FACTS, FIGURES AND PEOPLE IN AMERICAN CONSERVATION. Edited by Erle Kauffman. 288 p. 1952. 225 C766

The Yearbook contains: a directory of conservation agencies, commissions and other organizations of government, industry, citizens and professional groups.

## THE CONSERVATION YEARBOOK 1952 (Cont.)

A guide to key men and women in resource planning and management. A roster, including address of administrative officer, of soil conservation districts, national and state forests and parks, wildlife refuges, reclamation projects, etc. A summary of essential facts and figures in the fields of soil and water, forests and forest products, wildlife, the range lands, parks etc.

DISEASES OF VEGETABLE CROPS, By J. C. Walker. McGraw-Hill, 1952. 529 p.  
464.04 W15 1952

A reference book of concisely stated, useful information. It is arranged by crop, for example; asparagus, beet and chard, crucifers, tomato. Under each crop the diseases are individually described, methods of control are indicated and references are given to literature that contains additional information.

FARM WATER MANAGEMENT, By J. C. Wooley and R. P. Beasley. 170 p. Lucas Brothers, 1950. 292 W88

"This text was prepared as a guide in selecting the erosion control practices needed to maintain the productivity of a farm and to give the planner the techniques involved in applying the selected water management practices to the farm and into the activities involved in its operation." Preface.

Contents.- I. Selecting management practices.- II. Measuring distances.- III. Measuring and laying-out angles.- IV. Computing areas.- V. The farm level.- VI. Topographic maps and their use.- VII. Topographic mapping.- VIII. Rainfall and runoff.- IX. Terraces.- X. Terrace outlets.- XI. Diversion channels.- XII. Overfall structures.- XIII. Ponds.- XIV. Contour farming and strip cropping.- XV. Planning water management systems.

FOREST VALUATION, WITH SPECIAL EMPHASIS ON BASIC ECONOMIC PRINCIPLES, By H. H. Chapman. 521 p. McGraw-Hill, 1947. 99.57 C36F

This text is the successor to "Forest Valuation", 1925 and "Forest Finance", 1935. It gives complete coverage of the subject with emphasis on value of standing timber, grade composition, and market values. There are good bibliographies.

INSECTS - THE YEARBOOK OF AGRICULTURE 1952. 780 p. U.S. Govt. Print. Off., 1952. 1 Ag84Y

A practical book containing a great deal of information about the useful, as well as the harmful, insects. The illustrations, including numerous color plates, are outstanding, and there is an extensive bibliography followed by a section on "How to Get Further Information on Insects."

THE POLITICS OF AGRICULTURE: SOIL CONSERVATION AND THE STRUGGLE FOR POWER IN RURAL AMERICA, By C. M. Hardin. 282 p. Free Press, 1952. 281.12 H212P

A history of the soil conservation issue in modern times, and the roles played by local, state and federal agencies and various farm groups in putting forth solutions to the problem.

As the reader follows the competing and conflicting roles of the Farm Bureau Federation, the Extension Service, Production Marketing Administration, Soil Conservation Service, the drama of the political process and the problem of power in agriculture and its consequent impact on national politics become very clear.

For U.S.D.A. employees actually involved in this special political situation as leaders this book is "must" reading.



## IN MEMORY OF DAN F. TRUSSELL

Soil Conservation Service friends of Dan F. Trussell have presented two books to the Albuquerque Branch in his memory. The books, Alkali Soils, by W. P. Kelley (56.33 K28) and Soil Conditions and Plant Growth, by E. J. Russell (56.3 R91S) were selected because of Mr. Trussell's interest in this subject. The books may be borrowed from the library, and are distinguished by a memorial book plate, designed and made by the SCS Cartographic Division.

### NEW BULLETINS

#### AGRICULTURAL ECONOMICS

- AGRICULTURE'S CAPACITY TO PRODUCE - POSSIBILITIES UNDER SPECIFIED CONDITIONS. 1952. 62 p. (U.S.D.A. Agr. Info. B. 88) 1 Ag84Ab
- CALCULATION OF PARTIAL AND MULTIPLE REGRESSION AND CORRELATION COEFFICIENTS - 3 to 5 VARIABLES. 15 p. Rev. 1952. (U.S. Bur. of Agr. Econ.) 1.941 A22C12
- CASH RECEIPTS AND VALUE OF HOME CONSUMPTION BY STATES, 1943-50. 12 p. n.d. (U.S. Bur. of Agr. Econ.) 1.941 F22C26
- COST OF PRODUCING WHOLE MILK, TUCUMCARI IRRIGATION PROJECT 1951. 1952. 12 p. (N.M. Agr. Expt. Sta. Press B. 1073) 100 N465Sp
- FARM COSTS AND RETURNS, 1951 WITH COMPARISONS - 20 TYPES OF COMMERCIAL FAMILY-OPERATED FARMS IN 10 MAJOR FARMING REGIONS. 27 p. 1952. (U.S. Bur. of Agr. Econ. F.M. 93) 1.941 L6F22
- FARM INCOME POSSIBILITIES IN THE MESILLA VALLEY, NEW MEXICO. 12 p. 1951. (N.M. Agr. Expt. Sta. Press B. 1055) 100 N465Sp
- FARM ORGANIZATIONS AND INCOMES IN THE PECOS VALLEY, NEW MEXICO. 45 p. 1952. (N.M. Agr. Expt. Sta. B. 368) 100 N465Sb
- FARM PROFITS, TUCUMCARI IRRIGATION PROJECT 1951. 1952. 28 p. (N.M. Agr. Expt. Sta. Press B. 1071) 100 N465Sp
- MONTANA COOPERATIVE STATE GRAZING DISTRICTS IN ACTION. 1951. 29 p. (Mont. Agr. Expt. Sta. B. 481) 100 M76b
- RELATIONSHIP BETWEEN SIZE OF FARM AND UTILIZATION OF MACHINERY, EQUIPMENT AND LABOR. 1951. 71 p. (U.S.D.A. Tech. B. 1037) 1 Ag84Te
- A SHORT SCALE FOR MEASURING FARM FAMILY LEVEL OF LIVING: A MODIFICATION OF SEWELL'S SOCIO-ECONOMIC SCALE. 1952. 22 p. (Okla. Agr. Expt. Sta. Tech. B. T-46) 100 Ok4T

#### BIBLIOGRAPHIES

- BEEKEEPING AND BEES AS POLLINIZERS. 1952. 7 p. (U.S. Dept. of Agr. Library Louisiana Branch)
- A BIBLIOGRAPHY OF PUBLIC PERSONNEL ADMINISTRATION LITERATURE. Suppl. 2 1952. (U.S. Civil Service Commission Library) 165 B473
- DISSOLVED OXYGEN CONTENT AND TEMPERATURES OF SMALL BODIES OF WATER. 1952. 3 p. (U.S. Dept. of Agr. Library)
- LIST OF REFERENCES TO BORON LITERATURE REVIEWED JANUARY 1951 - MARCH 1951. 8 p. 1952. (Amer. Potash Inst. B-57) 241 B64
- THE OXYGEN REQUIREMENTS OF AQUATIC AND SUBMERGED PLANTS. 1952. 2 p. (U.S. Dept. of Agr. Library)

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ISSUED IN 1951. 1952. 9 p. (U.S. Forest Service) 1.962 A2P962  
STAFF PUBLICATIONS CALIFORNIA FOREST AND RANGE EXPERIMENT STATION 1950-1951. 1952.  
11 p. (U.S. For. Serv. Calif. For. & Range Expt. Sta.) 1.9 F7626St  
TUNG - CHEMISTRY AND TECHNOLOGY OF TUNG PRODUCTS. ABSTRACT BIBLIOGRAPHY OF THE  
CHEMISTRY AND TECHNOLOGY OF TUNG PRODUCTS, 1875-1950. 1952. 4 vols. (U.S.  
Bur. of Agr. and Industr. Chem. AIC-317) 1.932 A2Ag82  
VITAMIN B12 AND ANTIBIOTICS IN ANIMAL NUTRITION. ANNOTATED BIBLIOGRAPHY. 1951.  
69 p. (Merck & Co.) 241.64 M53V1  
WHAT'S NEW IN OKLAHOMA AGRICULTURE - ABSTRACT OF NEW PUBLICATIONS AND LIST OF  
PUBLICATIONS AVAILABLE. 1952. 19 p. (Okla. Agr. Expt. Sta. 24) 100 Ok4W

## ENTOMOLOGY

CONVERSION TABLES AND EQUIVALENTS FOR USE IN WORK RELATING TO INSECT CONTROL.  
Rev.1952. 21 p. (U.S. Bur. of Ento. & Plant Quar. E-517) 1.9 En83  
LIGHT TRAPS FOR INSECT COLLECTION, SURVEY AND CONTROL. 1952. 32 p. (Penn.  
Agr. Expt. Sta. B. 550) 100 P38b  
METHYL BROMIDE FUMIGATION OF COTTONSEED FREIGHT CARS FOR THE DESTRUCTION OF PINK  
BOLLWORMS. 1952. 16 p. (U.S. Bur. of Ent. and Plant Quar. E-838) 1.9 En83  
THE POTATO LEAFHOPPER - A PEST OF ALFALFA. Rev.1952. 4 p. (U.S.D.A. L. 229)  
1 Ag84L  
SOIL TREATMENT AN AID IN TERMITE CONTROL. 1952. 5 p. (U.S.D.A. L. 324) 1 Ag84I

## FORESTRY

DIRECT-HEAT LUMBER DRY KILNS. 1951. 5 p. (U.S. For. Serv. Calif. For. & Range  
Expt. Sta. Misc. Paper 4) 1.9622 C2M68  
EFFECT OF HARVESTING METHODS ON REPRODUCTION IN THE MOUNTAIN ENGELMANN SPRUCE-ALPINE  
FIR TYPE. 1952. 2 p. (U.S. For. Serv. Rocky Mountain For. & Range Expt.  
Sta. Res. Note 11) 1.9622 R2R313  
FOREST YIELD TAXES. 1952. 50 p. (U.S.D.A. C. 899) 1 Ag84C  
FORESTRY ON THE FARM. 1951? 32 p. (Ky. Agr. Ext. Serv. C. 488) 275.29 K41c  
A GUIDE FOR THE SELECTION OF SUPERIOR TREES IN THE NORTHERN ROCKY MOUNTAINS 1952.  
7 p. (U.S. For. Serv. Northern Rocky Mountain For. & Range Expt. Sta. Misc.  
Pub. 6) 1.9622 N3M68  
INFLAMMABILITY OF CHAPARRAL DEPENDS ON HOW IT GROWS. 1951. 2 p. (U.S. For.  
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RECLAIMING ILLINOIS STRIP COAL LANDS BY FOREST PLANTING. 1951. 25 p. (Ill.  
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SILVICULTURAL PRACTICES FOR LODGEPOLE PINE IN MONTANA. 1952. 19 p. (U.S.  
Northern Rocky Mountain For. & Range Expt. Sta. Paper 33) 1.9622 N3St1  
TREE-HEIGHT CHART FOR TOPOGRAPHIC LEVEL. 1951. 2 p. (U.S. For. Serv. Calif.  
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## GEOLOGY

FLUORSPAR DEPOSITS OF BURRO MOUNTAINS AND VICINITY NEW MEXICO. 1952. 33 p.  
(U.S. Geol. Survey B. 973-F) 407 G29B  
GEOLOGY AND GEOGRAPHY OF THE ZION PARK REGION UTAH AND ARIZONA. 1950. 200 p.  
(U.S. Geol. Survey. Prof. Paper 220) 407 G29P  
MANGANESE DEPOSITS OF SOUTHEASTERN UTAH. 1952. pp. 63-157. (U.S. Geol. Survey  
B. 979-B) 407 G29B  
PRELIMINARY REPORT ON THE BEDDED MANGANESE OF THE LAKE MEAD REGION NEVADA AND  
ARIZONA. 1949. 101 p. (U.S. Geol. Survey B. 948-D) 407 G29B



## LIVESTOCK DISEASES

- FOOT-AND-MOUTH DISEASE. Rev. 1952. 19 p. (U.S.D.A. Farmers' B. 666) 1 Ag84F  
JOINT FAO/WHO EXPERT PANEL ON BORDETELLA. REPORT OF THE FIRST SESSION. 1951.  
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LIVESTOCK PESTS - EXTERNAL PARASITES. 1951. 15 p. (Ariz. Ext. C. 185)  
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## POULTRY

- BROILER PRODUCTION AND PRICE RELATIONSHIPS. 1952. 22 p. (Pa. Agr. Expt. Sta.  
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FARM PRODUCTION, DISPOSITION AND INCOME FROM CHICKENS AND EGGS, 1945-49. BY STATES  
AND GEOGRAPHIC DIVISIONS. Rev. estimates. 1952. 18 p. (U.S. Bur. Agr.  
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INCREASE IN PULLET EGG SIZE AS A FACTOR IN SELECTION. 1952. 22 p. (Ind. Agr.  
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MARKETING OF CHICKENS FROM PRODUCER TO FIRST HANDLER - WASHINGTON, OREGON, AND  
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## RANGE AND PASTURE

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THE GENUS CHRYSOTHAMNUS IN CALIFORNIA AND WESTERN NEVADA. 1942. 30 p. (U.S.  
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RESEEDING TO INCREASE THE YIELD OF MONTANA RANGE LANDS. Rev. 1952. 26 p.  
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## SOIL CONSERVATION

- CONSERVATION AND USE OF AGRICULTURAL LAND RESOURCES. A report of activities for the  
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EROSION STUDIES ON THE SCHOLARIE WATERSHED, NEW YORK. 1951. 17 p. (U.S. For.  
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FOR MOUNTAIN MEADOWS. 5 p. 1952. (Wyo. Range Mangt. issue 48) 60.19 W99  
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## WEED AND BRUSH CONTROL

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1951. (Okla. Agr. Expt. Sta. Mimio. C. M-218) 100 Ok4M  
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POISON-IVY, POISON-OAK, AND POISON SUMAC: IDENTIFICATION, PRECAUTIONS, ERADICATION.  
30 p. Rev. 1951. (U.S.D.A. Farmers' B. 1972) 1 Ag84F  
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REPORT TO THE SALT CEDAR ACTION COMMITTEE BY THE SALT CEDAR TECHNICAL SUB-  
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THE USE OF 2,4-D AND 2,4,5-T IN CONTROLLING HERBACEOUS AND WOODY PLANT GROWTH.  
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